

Office Memorandum • UNITED STATES GOVERNMENT

TO : The Files - Contract RD-138, Task Order 4

DATE: 10 December 1959

FROM :

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SUBJECT: Trip Report - Development of the HG-3, Hand Crank Generator

1. On 3 December 1959 a trip was made to the [redacted] to monitor progress of the HG-3 being developed under Contract RD-138, Task Order 4. Present for discussions were:

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[redacted]

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- OC-E/R+D-EP

2. The R+D Laboratory completed the evaluation of the prototype model of the HG-3 late in November. There were a few very minor discrepancies found during this evaluation and this prototype model was returned to [redacted] to correct these deficiencies. The only specification that was not met in this prototype model was the acoustical noise produced by the generator. The specification calls for no more than a 50 db noise level and this model produced 56 db at maximum output at 80 rpm. [redacted] believes that the noise level cannot be reduced further without greatly modifying the hand crank generator, and since it is only 6 db above specifications it is not felt that it is necessary to make any more changes.

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[redacted] has been given permission to fabricate the eight remaining prototypes to complete the program. These remaining prototypes will be completed in approximately 8 to 10 weeks and should be delivered by the end of February.

3. Deliverable items were discussed, and in addition to the 10 prototype HG-3's and accessory equipment which includes battery cords and mounting accessories with belts, the [redacted] will deliver engineering drawings and thirty instruction and maintenance manuals. These manuals will include such things as how to operate the generators, parts list, and a few corrective actions to be taken on different types of failures in the generator. In order to complete this task, [redacted] will request an extension of time to 1 March 1960. [redacted] felt that the remaining \$12,000 will be sufficient to complete the contract.

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4. In a subsequent meeting held 7 December 1959 in Alcott Hall with [redacted] PD/OL, and [redacted] of OC-E/R+D-EP, it was agreed that [redacted] would submit a proposal for a production engineering phase to study the best possible layout for production of the HG-3, and to produce production drawings of tooling, etc. [redacted] said this proposal would be delivered to us by 21 December 1959.

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